ABSTRACT

A method for routing test comprises the steps of: checking a test mode of the routing test by receiving the test mode by a user; recalling a stored virtual network or editing the virtual network, when the routing test is performed by using a virtual network defined by the user; generating new virtual networks recursively based on respective information, when the routing test is performed by using a virtual network generated by a virtual network generator included in a routing test system; operating a target protocol of a virtual router and a router under test of the virtual network; and transmitting a packet considering a portion of the virtual network as a destination address trough the router under test, and monitoring links of the router under test. A routing test system according to the present invention generates various network topologies as much as user wants through a network generator, and performs a routing test after transmitting information to make a target router verify the generated topologies. Thus, the target router can correct routing calculation for the respective network topologies.